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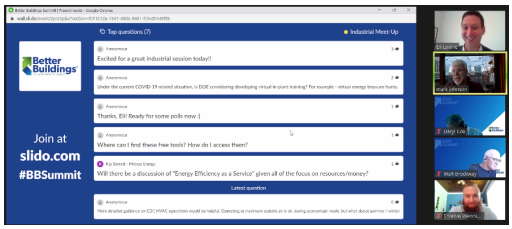
Better Plants Newsletter - July 2020

DOE Office of Energy Efficiency and Renewable Energy sent this bulletin at 07/14/2020 04:50 PM EDT

Better Plants® U.S. DEPARTMENT OF ENERGY NEWSLETTER

2020 Better Buildings, Better Plants Summit a Success!

This year's Better Buildings, Better Plants Summit was held as a Virtual Leadership Symposium, attracting thousands of attendees to four days of interactive online sessions, workshops, plenaries, and sector meet-ups. In case you missed it, you can read about the highlights from the first two days on the Beat Blog here, and highlights from the last two days here.



Recordings, slide decks, and transcripts are available online for every single session. This includes the industrial track:

- The Industrial Sector Meet-Up, where we provided an update on new tools and resources, highlighted partner achievements, and moved into breakout rooms for group discussions on energy efficiency challenges in the current environment;
- A PechaKucha on Industrial Energy Management, which used a storytelling format based solely on images to share partner successes;
- Best of the Betters - 2020 Better Project and Better Practice Presentations, featuring rapid TED Talk-style presentations from 12 of this year's Better Project and Better Practice awardees;
- A session on DOE's Packaged CHP eCatalog and Accelerator Program; and
- Early Best Practices from the Waste Reduction Pilot, featuring sustainability insights from pilot participants Shorenstein and **Volvo Group North America**

Congratulations to Energy Goal Achievers JBT Corporation and NEW Water

Better Plants program partner **JBT Corporation** and Challenge partner **NEW Water** both achieved their energy intensity reduction goals this year. JBT Corporation exceeded their program goal of 25% reduction in energy intensity by 2023 and achieved a 32.5% reduction by 2020. NEW Water achieved their Challenge goal of achieving a 35% reduction in energy intensity before 2025, five years ahead of schedule.

Both partners' work was highlighted at the recent Summit. “Through their commitment to affordable, efficient energy," said Daniel R Simmons, Assistant Secretary for the Office of Energy Efficiency and Renewable Energy at DOE, "our goal achievers are displaying leadership and demonstrating the potential for public-private partnerships to drive energy cost savings in buildings and our communities.”

All partners, please try to work with your Technical Account Manager to submit your annual energy data report as soon as possible!

Online Learning Opportunities Continue

July 2020

IN THIS ISSUE

VISIT THE BETTER PLANTS WEBSITE

FOLLOW BETTER PLANTS ON SOCIAL MEDIA

Through Better Plants, DOE will launch a new series of webinars on energy management topics later this month; stay tuned for a formal email announcement and schedule. In the meantime, **take a look at the currently ongoing Better Buildings Summer Webinar Series**. While not only industrial-focused, it covers interesting and relevant topics like making the business case for submetering.

Recordings, slide decks, and transcripts from the Better Plants Online Learning Series earlier this year are also available online:

- Better Plants Town Hall (including a presentation from partner **General Motors** on their response to the pandemic)
- Basics of Energy
- Lighting, HVAC, and Building Envelope
- Resources You Should Know: USDA Rural Development Programs and the Department of Commerce Manufacturing Extension Partnership
- Compressed Air Systems
- Water Efficiency

Be sure to follow Better Plants on LinkedIn and Twitter for updates on new tools and resources, partner highlights, and other energy efficiency information. Online connections are increasingly important at this challenging time and we want to foster productive dialogue and community engagement as best we can!

SOLICITING FEEDBACK ON SMART MANUFACTURING IMPACTS

In case you missed it, DOE is looking to better understand the impact of smart manufacturing practices on U.S. industry, and in particular, on energy and cost savings. The results will help DOE's Advanced Manufacturing Office to target its research and partnership programs (including Better Plants) to respond to industry needs.

The work is being done by Lawrence Berkeley National Laboratory, which has hired Emerging Futures LLC to help. Emerging Futures would like to ask Better Plants participants some questions about how smart manufacturing technologies are being implemented in your facilities, and your best estimates of what the benefits have been, or might be in the future. If you or others at your company are interested in sharing your experiences with Emerging Futures, please contact:

Dr. Jeffery Greenblatt, CEO
info@emerging-futures.com
(510) 693-6452

LEARN ABOUT THE CHP eCATALOG ON A JULY 16 WEBINAR

On July 16, 2:00 pm ET, the DOE Advanced Manufacturing Office's Northwest Combined Heat and Power (CHP) Technical Assistance Partnership will host a webinar, "Navigating the U.S. DOE's Packaged CHP Systems eCatalog." The webinar aims to help institutions, businesses, utilities, and associations learn more about packaged CHP systems and opportunities for federally funded technical services. Register here.

MEET THE PARTNERS

Welcome to New Partners

City of Fort Wayne - City Utilities and **Gibraltar Indusries** recently joined the Better Plants program and **Lineage Logistics** (from the program) joined the Challenge. These three energy efficiency leaders have set ambitious energy intensity reduction goals for their U.S. industrial operations. Better Plants now counts 236 partners!

Orange Water and Sewer Authority Wins DOE Water Resource Recovery Prize Phase One

Better Plants Challenge partner **Orange Water and Sewer Authority** (OWASA) is one of ten phase one-winners of the DOE Water Resource Recovery Prize. Launched in January 2020, the Prize accelerates resource recovery from municipal wastewater across the United States. In this two-phased competition, DOE seeks novel, systems-based solutions from multidisciplinary teams at small- to medium-sized water resource recovery facilities.

In the first phase of competition, teams submitted an engineering schematic and business case demonstrating the potential for cost-effectiveness and viability of resource recovery. Specifically, the OWASA team proposed an innovative process to treat wastewater sludge and eliminate contaminants and pathogens in an energy-efficient way. Teams selected during phase one will move into phase two, in which up to two teams will be selected to receive $250,000 cash prizes. Congratulations OWASA!

RESOURCE SPOTLIGHT

Energy Intensity Baselining and Tracking Guide Updated

The Energy Intensity Baselining and Tracking Guidance document has been updated and posted on the Solution Center. It describes the steps necessary to develop an energy consumption and energy intensity baseline for industrial facilities, as well as to calculate consumption and intensity changes over time. The updated version also addresses special circumstances and issues, such as:

- Accounting for byproduct fuels (such as biogas from wastewater treatment, food processing, chemicals, etc.);
- Baseline adjustments within a facility that undergoes an expansion or consolidation or does remanufacturing;
- Re-baselining (when, why, and the banking approach);
- Including a Modified Energy Intensity (MEI) approach;
- Accounting for unexpected events such as natural disasters, accidents, or embargoes

...and more! **View the updated guide here**. You can also view a shorter summary guide that provides the basics of baselining and tracking your energy intensity on the Solution Center here.

Better Plants Partners Share New Solutions

Better Plants partners have published several case studies on the online Solution Center since the last newsletter, walking through innovative capital projects and organizational changes that improved energy efficiency:

- **Celanese Corporation** implementation model: Energy Management Assessment Matrix
- Celanese Corporation showcase project: Narrows Site Energy Reduction Project
- Celanese Corporation implementation model: Raising Energy Engagement in Plant Operations Teams with "Energy Sparks" Training Tools (winner of a 2020 Better Practice Award)
- **City of Grand Rapids Water Resource Recovery Facility** implementation model: Demonstrating Leadership in Sustainability Through Innovation and Collaboration
- **Eastman Chemical** showcase project: Steam Reduction in Solvent Production (winner of a 2019 Better Project Award)
- **Ozinga Brothers** showcase project: Data Logger Project (winner of a 2020 Better Project Award)
- **Schneider Electric** implementation model: Daily Energy Model

Click on the above links to learn more and apply their best practices!

Explore Industrial Cybersecurity Resources on the Solution Center

We have a new Industrial Cybersecurity webpage on the Solution Center with links to

essential tools and resources. Advanced approaches to manufacturing and supply chain management increasingly rely on data collection, data analysis, and technological connectivity to achieve energy and other efficiency gains. These additional connectivity points, along with the increased number of attacks by hackers and other bad actors on manufacturing facilities, require new approaches and increased diligence to avoid downtime, loss of intellectual property, and other damages that can be realized through cybersecurity vulnerabilities. Explore the page to learn more and find support for addressing cybersecurity in your facility.

SHARE THE BETTER PLANTS NEWSLETTER

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